

W3219 W GLOUCESTERSHIRE

EIGHTH

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE

United Districts

OF

WEST GLOUCESTERSHIRE

FOR THE YEAR

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THE WEST GLOUCESTERSHIRE  
UNITED DISTRICTS

*Comprise the following Sanitary Authorities :*

RURAL : EAST DEAN, GLOUCESTER AND  
LYDNEY.

URBAN : AWRE, NEWNHAM-ON-SEVERN, AND  
WESTBURY-ON-SEVERN.

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MEDICAL OFFICER OF HEALTH :

SURGEON CAPTAIN O. W. ANDREWS, C.B.E., R.N.

Residence, St. Briavels.

TO THE  
URBAN AND RURAL DISTRICT COUNCILS

COMPRISED IN THE

**West Gloucestershire United Districts**

M.O.H. ORDER, 1920

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GENTLEMEN,

I HAVE the honour to submit for your consideration my Annual Report for the year 1920, on the general sanitary condition of the West Gloucestershire United District as a whole, together with separate reports on each of the six districts forming the Combination, being the Eighth such report which I have made since my first official connection with the district.

GENERAL VITAL STATISTICS OF THE COMBINED DISTRICT. AREA AND PHYSICAL CHARACTER.—No change has taken place during the year in the areas of either of the six districts which form the United Districts of West Gloucestershire, and it therefore remains as before 98,375 acres, situated in the Forest of Dean, around the City of Gloucester, and between Severn and Wye. Geologically it presents samples of most of the formations from the Old Red Sandstone to the Upper Oolite. In places in Gloucester Rural District we find Lias clay close to the surface with a pervious stratum of a sandy nature superimposed. In Churchdown, on the hill, we find Lower Oolite coming to the surface and underneath it Upper and Middle Lias. The clayey nature of the ground in many parts of Gloucester Rural District gives rise to some difficulty in the disposal of the contents of privies, the tendency of many of the cottagers is to bury



excreta too deep, and where in consequence of the absence of nitrifying organisms the material buried does not become purified as would be the case were it buried nearer the surface where these beneficent organisms are found. The presence of these organisms in the superficial layer of earth (within 12 inches of the surface) suggested the application of the term "living earth" to that portion of the soil where the bacteria known as nitroso-bacteria and nitro-bacteria abound. I have frequently pointed out to people the importance of not digging deep graves for the purpose of getting rid of the contents of privy-buckets or of that abomination now gradually disappearing, the old-fashioned "privy-vault" which is only emptied after long intervals. The geology of the district as a whole has so often been given in these reports that it would be a waste of time to give it again. The population of the whole district is this year estimated at 44,314, *i.e.*, 1161 less than it was in 1911, but the general opinion is that the figure given is below the actual number.

The two most important industries in the district are Coal Mining and Tin-plate Manufacture. East Dean and portions of Awre and Lydney are chiefly concerned with the Collieries, and Lydney and Lydbrook (part of which is in East Dean District), have important tin-works employing a large number of men and boys. The price of tin-plate production being largely dependent on the cost of coal, the tin-works suffered considerably as a result of the coal strike in the autumn.

The housing problem is still unsolved, though substantial progress has been made in two portions of the District, more particularly in Gloucester Rural District, where 19 houses were actually completed in 1920, and 65 others in course of erection.

In Lydney Rural District good progress was made with the building up to a certain time, when the Contractor, owing, it is said, to scarcity of suitable labour, was unable to proceed with the work, and much delay ensued. In the

remaining districts building sites have been acquired, but owing to difficulties arising in consequence of the cost and other reasons, delay in commencing building has occurred.

In one district (Awre) progress has been made with the building of two concrete houses by private enterprise. Unfortunately, these houses have not been built in accordance with the specifications laid down by the Ministry of Health, nor with the local bye-laws; this is a matter for regret, as in a district with a small population every new house tends to make an appreciable difference. During the war, owing to the difficulty of obtaining accommodation near Chepstow, many of the workmen had to travel great distances to and from their work; this created an artificial demand for houses in places as far distant from Chepstow as Newnham-on-Severn. The closing down of the Ship-building Yards at Beachley and Chepstow has caused this artificial demand for house to cease, and any houses now required are needed for *bona-fide* residents of the districts. In the near future in the agricultural portions of the district the need for more houses should get less, as with more and more land going out of cultivation on being converted into permanent pasture, the need for agricultural workers grows less. This reduction in the number of land workers is much to be regretted, as no finer people are reared than those who are the offspring of those leading a healthy open-air life in the fields, and for years the desirability, from a national point of view, of getting people to go back to the land has been felt and widely promulgated. Agriculture, however, cannot afford to pay wages on a scale which renders it unprofitable, except in those rare instances where farms are run as a hobby and not as a means of livelihood. As we know from history, war has always upset the economic balance, and it takes several years after the cessation of hostilities before the prices of food and labour adjust themselves. The country which can settle down most rapidly after such a vast upheaval as that occasioned by the great war, is the one which will be the first to recover; unfortunately enemy agents are still busily engaged not only in this

country but in others which were opposed to them in the war, and are trying to prevent those who would be willing to work from doing so.

#### BIRTHS AND THE BIRTH-RATE :—

There were 1257 births in the whole district, being an increase on the total for 1919 of 398, for 1918 of 332, and 432 on that for 1917. This remarkable increase is attributable in my opinion to the higher wages obtaining in the area, which also explains a distinct improvement in the standard of living among the poorer portion of the population. There were 49 illegitimate births in the district in 1920, a decrease of 3 on 1919, and 19 on 1918. The birth-rate for the whole district was 28·6 in 1920 ; 19·3 in 1919 ; and 19·9 in 1918. The birth-rate for England and Wales in 1920 was 25·4.

The highest birth-rate occurred in East Dean (31·3), and the lowest in Westbury-on-Severn (21·9).

#### DEATHS AND THE DEATH-RATE :—

There were 559 deaths in the whole district, giving a death-rate of 12·6 per 1000, which is 0·2 per 1000 higher than that for England and Wales during the year. There were 17 deaths from Infectious Diseases exclusive of Influenza, viz :—1 in Westbury-on-Severn from Measles, 13 in East Dean and United Parishes (8 from Measles, 4 from Whooping-cough, 1 from Diphtheria). 1 in Gloucester Rural from Measles ; 2 in Lydney from Measles.

The Zymotic Death-rate (exclusive of Influenza from which there were ten deaths), was 0·38 per 1000.

The Infant Death-rate per 1000 births was 57·2 ; this includes 1 death of an Infant in Gloucester Rural, whose parents belonged to Birmingham, and which was not included in the deaths of Infants under 1 year in the Gloucester Returns.

These figures compare favourably with those shown in Table II for England and Wales, being 22·8 per 1000 lower than those for England and Wales.



THE ILLEGITIMATE DEATH-RATE OF INFANTS UNDER 1 YEAR PER 1000 ILLEGITIMATE BIRTHS WAS 142·8.

In East Dean and United Parishes it was 153·6.

In Gloucester and Lydney Rural Districts it was 166·6. and in Awre, Newnham and Westbury Urban Districts, it was nil.

PULMONARY TUBERCULOSIS :—There were 36 deaths due to this cause in the West Gloucestershire Area, or 0·81 per 1000 population. This number equals 6·44% of all the deaths, and added to this there were 12 deaths from Tuberculous Meningitis and other Tuberculous Diseases giving a death-rate for Tuberculous Diseases other than Pulmonary Tuberculosis, of 0·27 per 1000.

CANCER AND MALIGNANT DISEASE.—58 deaths occurred in the district, an increase of 9 on last year's returns. These occurred as follows :—Newnham 1 case, Westbury-on-Severn 2 cases, East Dean and United Parishes 16, Gloucester Rural 9, and Lydney 8. The death-rate per 1000 of population from this cause equals 1·3 per 1000, or an increase of 0·2 per 1000 on that for last year.

Deaths from RESPIRATORY DISEASES (other than Tuberculosis) 83, giving a death-rate of 1·8 per 1000. The highest death-rate from this cause was 3·5 per 1000 in the Newnham District and 0·64 per 1000 in Westbury-on-Severn. East Dean had a death-rate from this cause of 2·5. Awre 1·6, and Gloucester and Lydney each 1·2.

NEPHRITIS AND BRIGHT'S DISEASE.—There were 21 deaths from this cause, equal to a death-rate of 0·47.

CONGENITAL DEBILITY, MALFORMATION, AND PREMATURE BIRTH 39, giving a death-rate of 0·88 ; 21 of the deaths from this cause occurred in East Dean, where the death-rate amounted to 1·05.

VIOLENCE.—20 deaths occurred from this cause, viz. :—1 in Awre, 1 in Newnham, 2 in Westbury-on-Severn, 8 in East Dean and United Parishes, 2 in Gloucester Rural, and 6 in Lydney. Death-rate from this cause for the whole

TABLE I.—SHOWING THE GENERAL VITAL STATISTICS FOR THE WEST GLOUCESTERSHIRE  
UNITED DISTRICT

SANITARY DISTRICT	Area in Statute Acres	HOUSES INHABITED				POPULATION				BIRTHS 1920		DEATHS, 1920					
		1901		1911		Increase or Decrease		1920 Estimated		Total	Rate per 1000 of Population	Total in District	Rate per 1,000 of Population	Under 1 Year	Rate per 1000 Births	At all Ages	
		1901	1911	1901	1911	1901	1911	No.	Rats per 1000 of Population								
East Dean Rural ..	28626	4305	4473	+168	4.46	20011	19952	— 59	19881	624	31.3	238	11.3	41	65.7	279	14.1
Gloucester Rural ..	30684	2062	2610	+548	4.8	10779	12615	+1836	11429	268	23.4	244	21.3	9	33.5	112	9.7
Lydney Rural ..	24554	1867	2052	+185	4.38	8649	9005	+ 356	9086	267	29.3	108	11.8	15	56.1	119	13.0
Awre Urban ..	4317	258	264	+ 6	4.05	1096	1070	— 26	1202	30	24.9	5	4.1	1	33.3	10	8.3
Newnham-on-Severn Urban ..	1937	266	256	— 10	3.98	1184	1021	— 163	1168	34	29.1	10	8.5	2	58.8	19	16.2
Westbury-on-Severn Urban ..	8257	422	401	— 21	4.51	1866	1812	— 54	1548	34	12.9	36	23.2	3	88.2	20	12.9
Total ..	98375	9180	10056	+876	4.52	43585	45475	+1890	44314	1257	28.3	641	14.5	71	56.4	559	12.6

Average for the whole of England and Wales for 1920 :—Birth-rate 25.4. Death-rate 12.4. Infant Death-rate 80.

TABLE II.—BIRTH-RATE, DEATH-RATE, AND ANALYSIS OF MORTALITY DURING THE YEAR 1920.

(Provisional figures. Provisional populations estimated to the middle of 1920 have been used for the purpose of this Table. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns).

	BIRTH-RATE PER 1,000 TOTAL POPULATION	ANNUAL DEATH-RATE PER 1,000 POPULATION									RATE PER 1,000 BIRTHS		PERCENTAGE OF TOTAL DEATHS			
		All Causes	Enteric Fever	Small-pox	Measles	Scarlet Fever	Whooping cough	Diphtheria	Influenza	Violence	Diarrhoea and Enteritis (under 2 years)	Total Deaths under One Year	Deaths in Public Institutions	Certified Causes of Death	Inquest Cases	Uncertified Causes of Death.
England and Wales .. ..	25.4	12.4	0.01	0.00	0.19	0.04	0.11	0.15	0.28	0.48	8.3	80	24.3	92.2	6.6	1.2
96 Great Towns, including London (Census Popula- tions exceeding 50,000)	26.2	12.5	0.01	0.00	0.22	0.04	0.14	0.16	0.31	0.43	10.4	85	31.3	92.2	7.1	0.7
148 Smaller Towns (Census Populations, 20,000 to 50,000)	24.9	11.3	0.02	0.00	0.19	0.03	0.10	0.14	0.27	0.38	7.8	80	16.5	93.2	5.3	1.5
London .. ..	26.5	12.4	0.01	0.00	0.22	0.05	0.17	0.22	0.30	0.47	9.5	75	46.8	91.2	8.6	0.2



district was 0·45. The death-rate for England and Wales for the same was 0·48 in 1920.

SUICIDE.—6 suicides occurred in the district, viz :—  
2 in each of the Rural Districts of East Dean, Gloucester and Lydney, giving a death-rate for the whole district of 0·13 per 1000.

Reference to the Vital Statistics for each separate district will show how many people died who were 65 years of age and upwards. 170 deaths were shown under the heading of other Defined Diseases, a large proportion of which were as stated above, people of advanced age.

#### INQUESTS IN WEST GLOUCESTERSHIRE IN 1920 :—

East Dean and United Parishes Rural District..	17
Gloucester Rural District .. .. .	9
Lydney Rural District .. .. .	14
Awre Urban District .. .. .	1
Newnham Urban District .. .. .	2
Westbury Urban District .. .. .	0
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Total	43

INFECTIOUS DISEASES.—Reference to the accompanying Table showing the Schools closed in the District, gives a good guide to the periods when Infectious Diseases were most prevalent—February, March and April had a considerable amount of sickness during these 3 months ; 13 schools were closed in February, 15 in March, and 7 in April. During the remainder of the year, there were only 12 schools closed.

#### General Prevalence of Notifiable Disease :—

	Cases	Removed to Hospital
East Dean .. .. .	85	27
Gloucester .. .. .	82	22
Lydney .. .. .	61	18
Awre .. .. .	12	1
Newnham .. .. .	5	1
Westbury-on-Severn ..	17	4
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Totals .. .. .	262	73



# LIST OF SCHOOLS CLOSED ON ACCOUNT OF INFECTIOUS DISEASE DURING 1920.

SCHOOL	DISEASE				DATES
AWRE URBAN DISTRICT.					
Blakeney Council	..	..	Whooping Cough	..	15 Dec.-23 Dec.
WESTBURY-ON-SEVERN DISTRICT					
Westbury-on-Severn, C. of E.	S.F.,	Measles & Influenza	..	..	23 Feb.-19 Mar.
"	"	S.F. & Measles	..	..	24 Mar.-1 April
Walmore Hill, Cl.	..	Measles	..	..	12 April-30 April
"	..	Mumps	..	..	22 Nov.-23 Dec.
EAST DEAN RURAL DISTRICT					
Blaisdon, C. of E.	..	Measles	..	..	24 Feb.-12 Mar.
Bilson, Cl., Infants	..	"	..	..	24 Feb.-19 Mar.
" Boys	..	"	..	..	26 Feb.-19 Mar.
Joys' Green, Cl., Infants	..	Wh. Cough & Influenza	..	..	1 Mar.-1 April
Bilson, Cl., Girls	..	Measles	..	..	1 Mar.-19 Mar.
Viney Hill, All Saints	..	Inf. Throats & Imp.	..	..	2 Mar.-12 Mar.
Minsterworth, C. of E.	..	Measles	..	..	22 Mar.-23 April
St. Whites, Cl., Mixed	..	"	..	..	13 Mar.-1 April
Littledean, Mixed	..	"	..	..	19 Mar.-1 April
Joys' Green, Cl., Mixed	..	Measles & Wh. Cough	..	..	22 Mar.-1 April
Longhope, Cl.	..	Measles & Ch. Pox	..	..	24 Mar.-23 April
Ruardean Hill, Cl., Infants	..	Measles	..	..	24 Mar.-23 April
" " Mixed	..	"	..	..	30 Mar.-23 April
Ruardean, C. of E.	..	Measles & Influenza	..	..	13 April-30 April
Steam Mills, Cl., Infants	..	Measles	..	..	16 April-30 April
Trinity Infants, C. of E.	..	"	..	..	23 April-14 May
Soudley, Cl.	..	"	..	..	23 April-7 May
Plump Hill, Cl.	..	"	..	..	14 May-21 May
Mitcheldean End	..	"	..	..	16 June-2 July
Soudley, Cl.	..	Whooping Cough & Imp.	..	..	14 Oct.-29 Oct.
GLOUCESTER RURAL DISTRICT					
Hempstead, C. of E.	..	Measles	..	..	26 Jan.-13 Feb.
Barnwood, C. of E.	..	Measles & Wh. Cough	..	..	3 Feb.-20 Feb.
Norton, C. of E.	..	Measles	..	..	4 Feb.-27 Feb.
Upton St. Leonards, C of E.	..	"	..	..	6 Feb.-27 Feb.
Twigworth, C. of E.	..	Scarlet Fever & Measles	..	..	16 Feb.-27 Feb.
Churchdown, Cl.	..	Measles	..	..	16 Feb.-5 March
Brockworth, C. of E...	..	"	..	..	8 Mar.-1 April
Whaddon, Cl.	..	"	..	..	15 April-30 April
Ashleworth, C. of E.	..	"	..	..	15 Sept.-8 Oct.
Barnwood, C. of E.	..	Mumps, S.F. & Diph.	..	..	13 Dec.-23 Dec.
LYDNEY RURAL DISTRICT					
Tidenham Chase, C. of E.	..	Chicken Pox	..	..	3 Feb.-23 Feb.
St. Briavels Par.	..	Measles & Colds	..	..	17 Mar.-3 April
Woolastone, Cl., Mixed	..	Measles & Influenza	..	..	22 Mar.-1 April
" " Infants	..	"	..	..	" "
Hewelsfield, Brockweir, Cl.	..	Measles	..	..	3 June-25 June
Tidenham, Tutshill, C. of E.	..	"	..	..	2 June-11 June
" " "	..	"	..	..	18 June-25 June

The principal Infectious Diseases notified were :—

	Enteric	Measles	Scarlet Fever	Diphtheria
Awre . . . . .	—	—	4	—
Newnham ..	—	—	3	—
Westbury ..	1	4	3	3
East Dean ..	—	—	20	20
Gloucester ..	3	21	12	22
Lydney ..	2	1	19	20
	—	—	—	—
Total ..	6	26	61	65

In November, 1920, a conference respecting a site for a small-pox hospital was held at Greenbottom Hospital, Littledean, at which representatives of the Crown, County Council, East Dean Rural District Council, and myself were present. It was then decided that in the event of a small-pox epidemic the existing Isolation Hospital at Greenbottom would be suitable for the reception and treatment of cases of small-pox, provided that a piece of land at the back of the hospital could be made available for the extension of the premises by temporary buildings or tents should the necessity arise. There is always a danger of a small-pox epidemic, and this danger increases as time goes on, and the number of un-vaccinated persons becomes proportionally greater. At the risk of being charged with reiteration, I would urge the importance of vaccination against small-pox, it is a subject on which there has always been and still is much distortion of facts. The outbreak in Gloucester in 1895-96 is fast becoming ancient history, yet small-pox has not lost any of its virulence, and the belief that good sanitation will prevent the spread of disease is about on a level with the idea possessed by certain people in 1913 and 1914, who used to speak of war with Germany as impossible. Mrs Scharlieb has written an essay on "Vaccination," which has put the case for vaccination plainly and honestly before the public. She has, says Mr Stephen Paget, raised the subject above the level of a mere quarrel between "*pro*" and "*anti*"; she admits all that can be admitted against vaccination. The frontispiece to Mrs Scharlieb's

DISEASE	Year	East Dean Rural District		Gloucester Rural District		Lydney Rural District		Awre Urban District		Newnham Urban District		Westbury Urban District	
		N	D	N	D	N	D	N	D	N	D	N	D
Scarlet Fever	1915	52	1	10	0	61	0	0	0	0	0	0	3
„	1916	27	1	7	0	47	0	0	0	6	0	2	0
„	1917	14	0	6	0	6	0	0	0	0	0	0	0
„	1918	6	0	3	0	14	0	0	0	0	0	0	0
„	1919	20	0	6	0	5	0	3	0	1	0	5	0
„	1920	20	0	12	0	19	0	4	0	3	0	3	0
Diphtheria	1915	67	5	13	4	20	7	1	1	2	0	1	0
„	1916	56	12	8	2	18	1	0	0	0	0	0	0
„	1917	31	2	6	0	6	1	0	0	0	0	0	0
„	1918	4	0	14	0	0	0	0	0	1	0	3	0
„	1919	3	0	6	0	1	0	0	0	0	0	0	0
„	1920	20	1	22	0	20	0	0	0	0	0	3	0
Measles	1915	N N	5	N N	1	N N	2	N N	0	N N	0	N N	0
„	1916	347	7	152	4	19	0	30	0	43	0	0	0
„	1917	6	0	18	0	10	0	0	0	1	0	1	0
„	1918	95	0	25	0	100	1	0	0	2	0	3	0
„	1919	17	0	5	0	140	0	0	0	0	0	2	0
„	1920	0	8	21	0	1	2	0	0	0	0	4	1
Enteric	1915	1	1	7	1	0	0	0	0	0	0	0	0
„	1916	1	0	7	2	1	0	0	0	0	0	0	0
„	1917	1	2	63	0	0	0	0	0	0	0	0	0
„	1918	2	1	12	0	2	0	0	0	0	0	0	0
„	1919	0	0	0	0	0	0	0	0	0	0	1	0
„	1920	0	0	3	0	2	0	0	0	0	0	0	0
Erysipelas	1915	5	0	5	0	7	0	0	0	0	0	0	0
„	1916	7	0	6	0	2	0	0	0	0	0	0	0
„	1917	0	0	3	0	4	0	0	0	0	0	0	0
„	1918	4	0	4	0	3	0	0	0	0	0	0	0
„	1919	1	0	1	0	7	0	1	0	0	0	0	0
„	1920	6	1	1	0	3	0	6	0	0	0	0	0
Puerperal Fever	1915	1	0	0	0	0	0	0	0	0	0	0	0
„	1916	0	0	2	0	0	0	0	0	0	0	0	0
„	1917	0	0	0	0	0	0	0	0	0	0	0	0
„	1918	0	0	0	0	0	0	0	0	0	0	0	0
„	1919	0	0	0	0	0	0	0	0	1	0	1	0
„	1920	3	1	0	0	0	0	0	0	1	0	1	0

N=Notified. D=Died. N N=Not Notifiable.

Notification of Measles came into force 1916, ceased 1919.

The above table showing the number of cases notified and the number of deaths occurring under the six important headings has been introduced, as it is thought that reference to it will show more clearly than a lengthy written statement the amount of sickness and mortality due to each of the six diseases specified. The Midwives Act of 1902 has done much to lessen deaths from Puerperal Fever, by replacing the class of ignorant women who formerly acted as midwives by properly trained nurses.



essay is a photograph of a portion of the Gloucester cemetery, "where 279 poor unvaccinated children under 10 years of age lie buried, who fell victims to the epidemic of small-pox in Gloucester in 1895-6, together with only one child out of 8000 who were vaccinated before or during the epidemic." Could any more striking evidence be adduced? Mr Stephen Paget says in an article on Vaccination and Anti-vaccination: "If anti-vaccination prevails much further we shall be hardly more immune against small-pox than against measles or diphtheria. We are taking the risk of disaster, and are taking it with our eyes open."

#### SANITARY CIRCUMSTANCES OF THE DISTRICT.

**WATER.**—There is little fresh to say respecting the water-supplies of Ruardean Hill and Viney Hill. The Ruardean Hill water-supply was put back by war. There are parts of Lydbrook and Joy's Green where the inhabitants have to walk up hill to fetch water from wells, from which water could very easily be brought to their doors by gravitation. In another part of Joy's Green people have to go down to a spring at Scott's level when the installation of a ram would deliver the water in abundance to some spot above where they live whence it could be piped as required, instead of running to waste as at present. The trouble at Quedgeley mentioned in my report last year has been remedied, but Lower and Middle Rea and Hempstead have still their troubles in dry weather owing to their need of a proper water-supply.

The water-supply of Newnham is still a problem to be solved, and shortage of water has been one of the cruxes connected with the Housing Problem in that town.

**DRAINAGE AND SEWERAGE.**—The North-End drainage works came in for a good deal of consideration last year. It was recognised that these works, which were completed in 1899 (Longford drainage excepted), were no longer as efficient as they should be, and complaints arose from time to time from the residents of Longford about the stench which polluted the air when the breezes reached them from



Pleasant Farm. The Surveyor accordingly set himself the task of remedying the defects and deficiencies of the system. It should be stated that the system of purification adopted here is that by precipitation. A cake of "Alumino-ferric" placed where the sewage comes in, is gradually dissolved, and its solution causes precipitation of the greater part of the solids. This takes place in two huge tanks. After precipitation, the supernatant fluid portion is allowed to flow into certain filter beds where further subsidence occurs, and finally, a clear effluent after filtration through coke breeze filters is carried by means of "rhines" or ditches into osier beds, which are under-drained, and also drained by means of rhines, and the fluid coming away from these beds, flows clear and bright into a stream. The solids precipitated in the tanks already mentioned are pumped out and allow to dry on specially prepared beds, and when dry are dug out and serve as manure for farmers, who get it for nothing. It is the sludge, which many people think causes the obnoxious effluvia complained of by the inhabitants of Longford. With the improvements which the Surveyor is making in the present system, together with the taking in of more ground so as to give the filter beds longer rest-periods, it is hoped that no more complaints will arise. No precipitation-methods in my opinion are so satisfactory as Bacterial treatment either on the "ærobic" or "anærobic" methods, or some method combining both these systems; but the difficulty of getting sufficient fall without pumping, I am told, renders any other method than that at present in use far too costly.

The Churchdown sewerage scheme is working satisfactorily, and during the year more houses were connected with it. The Elementary Schools, which are County Council Schools, have not yet had their sanitary system connected with the sewers. At present the pail system is in use in these schools. The desirability of connecting the School with the sewerage system has been represented to the County Council.

The need for sewerage systems still exists at Hempsted, Quedgley and Tuffley.

SCAVENGING.—The information concerning this is given under each separate district. I have frequently recommended the use of destructors in various parts of the district. During the war I was particularly impressed with the simple destructors improvised on shore by the military authorities, and these simple methods are very applicable to villages and small towns, and if employed as efficiently as they were in the Army, would do much to check the breeding of flies and rats, both of which are such active agents in the spread of disease. But towns of the size of Lydney and Cinderford would do well to install a properly constructed incinerator. The “clinker” forming about 30% of the refuse burnt can be made use of in many ways road-making, mortar-making, or for use in bacteria-beds, &c., where there is a sewage purification system employing bacterial treatment.

Appended is a Table showing the Rainfall for the Forest of Dean, for which I have to express my thanks to Mr L. Osmaston, Deputy Surveyor of the Royal Forest of Dean. The Rainfall for the year was about 3 inches in excess of that for 1919. February was remarkable for the fact that throughout the Forest less than a inch of rain was recorded at five stations and just over one inch at the sixth.

#### RAINFALL FOR YEAR 1920

Month		Whitemead	Worcester Lodge	Edgehill Lodge	Ruardean Hill Lodge	Blakeney Hill Lodge	Braceland
January	..	5.32	5.54	5.10	4.76	4.35	4.46
February	..	0.80	0.90	0.91	1.02	0.70	0.90
March	.. ..	4.33	2.81	3.70	4.08	3.00	3.87
April	.. ..	5.84	5.70	4.69	5.52	4.49	5.37
May	.. ..	1.67	1.86	1.98	1.89	2.87	1.75
June	.. ..	3.96	4.26	2.80	2.81	1.78	4.90
July	.. ..	4.21	4.33	5.01	4.94	2.92	3.55
August	.. ..	1.05	0.93	0.78	1.43	0.87	1.19
September	.. ..	2.03	3.19	2.88	2.96	1.71	2.73
October	.. ..	3.06	3.80	2.68	2.86	1.82	4.25
November	.. ..	1.02	1.24	0.92	1.06	1.15	1.17
December	.. ..	4.05	3.66	3.02	4.07	3.59	3.84
Totals	...	37.28	38.22	34.47	37.40	29.25	37.98

I have the honour to be, Gentlemen,

Your obedient servant,

O. W. ANDREWS,

*M.B., B.S., Dunelm: D.P.H. Camb.,*

*Surgeon Captain, R.N. (Ret.)*

# EAST DEAN & UNITED PARISHES RURAL DISTRICT

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*Composition of District:* The *Township* of East Dean, comprising the Blakeney Hill, Cinderford, Drybrook, Joy's Green, Plump, Pope's Hill and Ruspidge Wards ; and the *Civil Parishes* of Abenhall, Blaisdon, Bulley, Churcham, Flaxley, Huntley, Littledean, Longhope, Minsterworth, Mitcheldean, and Ruardean.

*Chairman of Council:* G. H. ROWLINSON, Esq., M.B.E., Cinderford.

*Clerk to Council:* MR. M. F. CARTER, Solicitor, Newnham.

*Surveyor:* MR W. WHITEHOUSE, Cinderford.

*Sanitary Inspector:* MR L. G. LYNE, Cinderford.

*Highway Surveyor:* MR A. E. TEAGUE, Cinderford.

Assessable value of District, £53,052.

## ADOPTIVE ACTS IN FORCE IN DISTRICT

	Adopted
Infectious Diseases Prevention Act, 1890 ..	—
Public Health Acts Amendment Act, 1890 ..	—
„ „ 1907 (certain sections)	1908
Regulations under Dairies, Cowsheds and Milk-shops Acts, 1885-6 .. .. .	1909
<i>Bye-Laws :—</i>	
Prevention of Nuisances .. .. .	1876
Common Lodging Houses .. .. .	1876
Slaughter Houses .. .. .	1876
New Streets and Buildings .. .. (2)	1901



## GENERAL STATISTICS

				1901	1911
Area in Acres	..	..	..	28626	28926
Total Tenements	..	..	..	4355	4473
Average No. of Persons per separate occupier..	..	..	..	4.59	4.46
Total Population	..	..	..	2011	19952
Males	..	..	..	10166	
Females	..	..	..	9845	

## CINDERFORD MOTHERS' CLUB AND BABIES' WELCOME

### SIXTH ANNUAL REPORT

BY DR. G. F. RIGDEN, M.C., MEDICAL OFFICER.

TO, SURGEON CAPTAIN O. W. ANDREWS, C.B.E., R.N.,  
M.O.H., EAST DEAN AND UNITED PARISHES RURAL  
DISTRICT COUNCIL.

DEAR SIR,

I have the honour to present you herewith my Annual Report for the year 1920.

A year ago I was able to state that the work done exceeded that done in any previous year of the Centre's existence. This year I have to report that the 1919 figures have been eclipsed by over 50%.

The number of fresh admissions during the year was 162, as against the previous highest of 102 in 1919. The total number of attendances was 1347 and the average per meeting 29; the highest attendance upon any one afternoon was 67. Forty-seven meetings were held during the year—rather more than usual, as the attendance remained so good that we did not follow our custom in previous years of closing during August. The omissions were two weeks at Christmas, on Good Friday, and on two occasions for



exceptionally bad weather ; on all these occasions a member of the Committee attended to supply Glaxo, &c., for those mothers receiving it regularly.

There are at least three causes contributing to these high figures apart from the natural growth of a successful enterprise. In the first case, although the vital statistics for East Dean are not yet available, it is generally believed that the Birth Rate considerably exceeds that of recent years. In the second place, Nurse Pollard, who has acted as Health Visitor and Nurse Superintendent<sup>t</sup> for the summer months, was unusually successful in persuading the Mothers to come ; but more important than either is the attraction of Infant Foods at wholesale prices.

As in previous years, we have sold Glaxo, Virol, and other preparations at cost price, which works out at about two-thirds of the commercial retail price and makes a big difference in the household weekly budget. These goods are only supplied on my recommendation, and only to those Mothers attending regularly, thus we are able to offer a powerful inducement to regular attendance on the part of just those Mothers whom we are most anxious to see, namely the Mothers of artificially fed babies. We have required no other form of advertising, and have dispensed with the Annual Meeting by which formerly we have endeavoured to draw public attention to our work.

Of Glaxo alone £220 worth was retailed to Mothers at wholesale prices—more than double last year—and of Virol about £12 worth. I should like to make it quite clear to prevent misunderstanding, that every effort is made to encourage breast-feeding as the ideal method ; my gratification at the large amount of Glaxo sold lies in the fact that it indicates that we are getting the right kind of Mother to the School, for the Mother who breast-feeds her baby stands in far less need of our help and advice.

I have continued to use Lactagol as a means of increasing the Mother's milk and enabling her in a doubtful

case to continue breast-feeding ; the results however, have been, on the whole, disappointing.

The work of the Sewing Committee has been continued. They have disposed of about £100 worth of articles and materials at cost price. Of the work of the Tea Committee I have no figures available ; as in the cases already mentioned, their work aims at shewing financially neither profit nor loss, it adds considerably to the enjoyment of the Mothers.

Systematic Class Instruction has been in abeyance, as the large attendance has fully taxed the time and energy of all the helpers.

Changes of Health Visitor have been a source of worry ; Nurse Rees left to take up another appointment early in the year and was succeeded after an interval by Nurse Pollard. It was a matter of great regret to me that Nurse Pollard was compelled for reasons of health to resign after only four months, as her work had been entirely successful. For the last three months of the year we were again without a Health Visitor. As I mentioned in my last year's report, I regard the dovetailing of the health visiting with the work of the School as of great importance.

We have been obliged to change the place of meeting of the Centre during the year, as the premises we had occupied at the Secondary School since the opening of the Centre were wanted for School purposes. This, however, has turned out in the end to be a great advantage, as our new premises at Wesley are much larger, and we should have been quite unable to deal with the numbers who were attending at the latter end of the year in our previous quarters.

In December the School was visited without warning by an Inspector of the Ministry of Health. By a most unfortunate coincidence I was not present that afternoon, as I had to attend an important meeting in Gloucester ; I felt the more annoyed at this, as I do not think I have missed on an average one meeting a year since our opening

in 1915. One can scarcely dare hope under the circumstances that the Inspector formed a fair opinion of the School's work. I understand that the Inspector regarded the surprise nature of the visit as a rather clever method of seeing the every-day work of the School; the result, however, was precisely the reverse. Inspectors should surely have sufficient ability at their work to be able to discount what is mere "eye-wash" without being compelled to depart from the customary rules of courtesy.

Up to the close of the year 576 babies have passed through the Centre since its opening in June, 1915. An exhaustive analysis of the records of so large a number of babies would be of great interest. I do not pretend at present to have undertaken anything of the sort, but the results of a few preliminary investigations are, I think, worth recording.

There is no matter upon which I lay greater stress than the importance of providing some form of cot or cradle for the baby in every case, yet I find from notes of 348 children under one year old that only 137 (exactly one-third) have any such provision made for them, the remainder sleeping in bed with the parents. If one took a lower age limit the figures would be even more deplorable, as I am so often told that "we shall put him in a cot when he gets bigger"—it need scarcely be pointed out that the younger the baby the greater the danger of sleeping with the parents. Of all causes of Infant Mortality, surely that due to overlaying is the most easily preventable. We have always done all in our power at the Centre to encourage the use of cradles, and show the Mothers in case of necessity how to make one for a few pence from a banana crate, but I cannot see any improvement in this respect since we started five years ago.

I find from my notes that of 336 children under one year, 175 (just one-half) have a "comforter." I am glad to say, however, that this most objectionable practice is slowly getting less.



Of 277 boy babies, 121 (44%) were noted as suffering from phimosis. A second note shows that in 34 of these (well over a quarter) the condition was cured by operation, and much subsequent suffering thereby avoided. Probably others of whom I have no record on the matter were also attended to.

A Clergyman doing temporary duty in the Forest some years ago, remarked to me on the number of apparently pregnant girls whom he married. I lately enquired the date of marriage of 50 consecutive Mothers attending with a "first baby," and a simple calculation produced the following results:—

Conceived and born after marriage	.. .. .	28
Conceived before marriage, but legitimate by birth	..	15
Illegitimate (the parents subsequently married in 1 case)		7
		—
		50

We thus reach the rather startling fact that pregnancy preceded marriage in 44% of this series of cases.

My final figures illustrate the need for Infant Welfare Work in the district ; of 484 babies of whom I have a note of the weight on their first attendance, 41% were approximately the normal weight for their age ; 22% were considerably above the average weight and no less than 37% were considerably below the average weight.

I cannot close this report without again expressing my admiration for the ladies who attend voluntarily week after week, and, in some cases, year after year, and without whom the Centre could not continue to exist.

I am, Sir,

Yours faithfully,

G. F. RIGDEN,

"LISSANOURE,"

M.B., B.S. (LOND.)

CINDERFORD, GLOS.

*February 4th, 1921.*



## BIRTH AND DEATH RATES.

YEAR	Population estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		Transferable Deaths of Non-Residents registered in the district	Transferable Deaths of Residents not registered in the district	NETT DEATHS BELONGING TO THE DISTRICT			
		Uncorrected Number	Nett		Number	Rate			Under 1 year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1915	19927	498	501	25.0	274	13.7	2	38	44	88	310	16.0
1916	19921	511	511	24.1	255	12.8	0	40	49	96	295	14.8
1917	19915	451	451	22.6	215	11.3	2	45	33	73	258	12.9
1918	18595	493	504	24.1	247	13.2	7	48	30	59.4	288	15.4
1919	19119	433	433	21.7	248	12.9	4	40	32	73.9	244	12.7
1920	19881	624	624	31.3	235	14.2	4	48	41	65.7	279	14.0

Area of District in Acres . . . . . 28,626  
 Total Population at all ages (1911) . . . 19,952  
 No. of Inhabited Houses (1911) . . . . 4,473  
 Average No. of persons per house (1911) . . . 4.46

INFANT MORTALITY.

CAUSES OF DEATH					Total under 1 month					Total under 1 year
	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks		1-3 months	3-6 months	6-9 months	9-12 months	
Whooping Cough	.. 0..	0..	0..	0	0	1..	0..	0..	0	1
Measles ...	... 0..	0..	0..	0	0	1..	0..	1..	0	2
Other Resp. Disease	... 0..	0..	0..	0	0	0..	1..	0..	0	1
Bronchitis ...	... 0..	0..	0..	0	0	3..	0..	0..	0	3
Broncho-Pneumonia	.. 0..	0..	0..	1	1	0..	1..	2..	0	4
Pneumonia ..	... 0..	0..	0..	0	0	0..	0..	0..	2	2
Tub. Meningitis	.. 0..	0..	0..	0	0	0..	1..	0..	0	1
Enteritis ..	.. 0..	1..	0..	0	1	0..	0..	1..	0	2
Premature Birth	... 5..	1..	2..	0	8	0..	0..	0..	0	8
Marasmus ...	... 0..	0..	0..	0	0	4..	0..	0..	0	4
Congenital Debility	.. 3..	2..	1..	0	6	0..	0..	0..	0	6
Other defined diseases ...	... 1..	1..	2..	0	4	1..	0..	1..	0	6
Meningitis ..	.. 0..	0..	0..	0	0	0..	0..	1..	0	1
Totals ...	... 9..	5..	5..	1	20	10..	3..	6..	2	41

Total Births	{	M.		F.	
		Legitimate, 296	...	302	
		Illegitimate, 16	...	10	
		312	...	312	

Total Deaths of Infants under 1 year of age :—

	M.	F.
Legitimate	20..	17
Illegitimate	3..	1
	23	18





# INFECTIOUS DISEASES.

Diseases	At all ages	Under 1 year						Cases and Localities												Removed to Hospital				
		Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Cinderford Ward	Drybrook Ward	Joy's Green Ward	Pope's Hill Ward	Ruspidge Ward	Blakeney Hill Ward	Ruardean Parish	Mitcheldean Parish	Longhope Parish	Blaisdon Parish	Huntley Parish		Minsterworth Parish	Churcham Parish	Bulley Parish	Littledean Parish
Pneumonia ...	19	5..	7..	1..	3..	2..	1..	0	9..	4..	0..	0..	5..	0..	0..	0..	0..	0..	0..	0..	0..	0..	1..	0
Diphtheria ..	20	0..	2..	13..	3..	2..	0..	0	9..	6..	1..	0..	2..	1..	1..	0..	0..	0..	0..	0..	0..	0..	0..	0
Erysipelas ..	6	1..	0..	0..	0..	2..	2..	1	4..	2..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0
Scarlet Fever	20	0..	2..	15..	3..	0..	0..	0	2..	6..	0..	0..	0..	7..	0..	0..	4..	1..	0..	0..	0..	0..	0..	0
Puerperal Fever	3	0..	0..	0..	0..	3..	0..	0	3..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	1*
Pulmonary Tuberculosis	12	0..	0..	0..	3..	7..	2..	0	7..	0..	1..	0..	1..	0..	0..	0..	0..	0..	0..	0..	1..	0..	0..	2
Other forms of Tuberculosis	1	0..	0..	0..	1..	0..	0..	0	0..	0..	0..	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0
Ophthalmia	3	3..	0..	0..	0..	0..	0..	0	2..	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0
Neonatorum	..	1..	0..	0..	0..	0..	0..	0	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0
Acute Anterior Polio-myelitis	1	1..	0..	0..	0..	0..	0..	0	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0
	85	10..	11..	19..	13..	16..	5..	1	37..	19..	2..	1..	8..	8..	1..	0..	4..	1..	0..	1..	0..	1..	0..	2
																								27

\*Removed to Gloucester Royal Infirmary.

Isolation Hospital—Greenbottom Isolation Hospital.  
Sanatorium—Cranham Lodge, Stroud.

## Report of MR L. G. LYNE, Sanitary Inspector.

## HOUSING :

Plans for new houses approved .. .. .	0
Houses built .. .. .	0
Housing and Town Planning Act, 1909, Housing (Inspection of District) Regulations, 1910— Area inspected during 1919—Littledean	
No. of houses inspected .. .. .	451
Houses with defects for which notices were necessary	341
Houses for which notices were served .. .. .	341
(a) Under Sec. 15, Housing, Town Planning Act, 1909 .. .. .	5
No. remedied .. .. .	2
(b) Under other Public Health Acts .. .. .	336
No. remedied .. .. .	73
Houses unfit for habitation .. .. .	6
Representations made to District Council .. .. .	6
Closing Orders made .. .. .	2
Demolition Orders .. .. .	0
Cases of overcrowding reported .. .. .	9
No. abated .. .. .	3
Houses cleansed on notice .. .. .	8
There is a deficiency of housing for the working classes in East Dean, Ruardean, Huntley, Minsterworth, Churcham and Littledean.	

## WATER SUPPLY :

Deficiency in any part, and, if so, what part or parts?—Ruardean Hill, Joy's Green and Brain's Green.

New connections with Public Supply .. .. .	0
Wells closed .. .. .	2
Samples taken for examination .. .. .	1

Application for a loan of £28,000 has been made for the purpose of extending the water supply to Ruardean Hill.

## SEWERAGE AND DRAINAGE :

Parishes where there is need for :—

A sewage system—Mitcheldean,  
Drybrook Ward of East Dean.

Houses newly connected with sewers .. .. .	15
W.C.'s newly supplied with flushing cisterns .. .. .	4
Notices to empty privy vaults .. .. .	0
Earth closets, pail closets or improved privies constructed .. .. .	21
Privy vaults abolished .. .. .	18

## NUMBERS INSPECTED OF EACH OF THE FOLLOWING :

	No. on Register	No. Inspected	Total No. of Inspections
Common Lodging houses ..	1	1	2
Slaughter-houses ..	17	17	67
Bakehouses .. ..	27	27	42
Dairies, cowsheds and milkshops	107	103	124
Workshops .. ..	43	42	57

## GENERAL :

Complaints received .. ..	149
Nuisances reported to District Council ..	231
Swine .. ..	6
Nuisances abated .. ..	172
Preliminary notices served ..	213
Statutory notices served ..	57
Summonses .. ..	15
Convictions .. ..	15
Bye-laws, no change.	

## INFECTIOUS DISEASES :

Cases visited and reported on .. ..	45
Houses in which cases occurred .. ..	39
Houses disinfected .. ..	32
Methods of disinfection used : Formalin Spray.	

## ISOLATION HOSPITAL :

Have any changes been made in existing arrangements? No.  
 What are the chief Sanitary Requirements of the District? Drainage for Mitcheldean.

Signed L. G. LYNE,

*Sanitary Inspector.*

REPORT ON HOUSING CONDITIONS IN EAST DEAN  
AND UNITED PARISHES, 1920

ABBENHALL

SEPTEMBER, 1920.

AREA.—763 acres.

POPULATION.—Census 1901, 218 ; Census 1911, 188 ; present population 181. At the Census of 1911 The Wilderness was in occupation and had 14 occupants.



ACCOMMODATION AND OWNERSHIP.—There are 51 premises and of these 13 are occupied by the owners.

18	persons own	1	house each.
5	„ „	2	houses „
2	„ „	3	„ „
3	„ „	4	„ „
1	„ „	5	„ „
1	house has	1	bedroom.
23	houses have	2	bedrooms
9	„ „	3	„
11	„ „	4	„
7	„ „	5	or more.

#### RENTALS PAID PER WEEK.—

1 pays 1/-	4 pay 2/6	1 pays 3/9
1 „ 1/6	1 pays 2/9	6 pay 4/-
2 pay 2/-	5 pay 3/-	1 pays 5/-
1 pays 2/3	1 pays 3/3	

Average Cottage Rental, 3/0 $\frac{1}{4}$ .

#### WATER SUPPLY.—

5	houses are supplied from	springs.
19	„ „ „	public wells.
2	houses from	Small Holding supply.
4	„ „	East Dean „
14	„ „	private wells.
5	„ „	Mitcheldean supply.
1	house from	brook.

Two of the above supplies are very defective.

CLOSET ACCOMMODATION.—10 houses have water closets. 9 have pail closets of which 2 are defective. 32 have privies of which 10 are defective.

WASH-UP SINKS.—11 houses have wash-up sinks.

BATHS.—4 houses have baths fitted.

DRAINAGE.—33 houses have drainage, of which 7 are defective, 18 houses have no drainage.

HOUSING DEFECTS.—In addition to the defective drainage and closet accommodation there are :—

5	Cases of defective	floors.
1	case „ „	ceiling.
3	cases „ „	roofs.
8	„ „ „	gutter spouting.
5	„ „ „	ventilation.
2	„ „ „	food store.
19	„ „	various defects.

NOTICES.—Notices have been served on 17 owners of property to repair the above defects, which affect 30 houses. There were four void houses and one in such a state of repair as to be unfit for habitation.

DETAILS OF FOOD STUFF SURRENDERED after inspection  
during year ending December 31st, 1920.

Tinned goods	..	..	..	37	tins.
Ham	..	..	..	98	lbs.
Currants	..	..	..	45	lbs.
Butter	..	..	..	11 $\frac{1}{4}$	lbs.
Figs	..	..	..	17	lbs.
FISH—Hake	..	..	..	42	lbs.
Haddock	..	..	..	8	boxes.
Pork	..	..	..	105	lbs.
Mutton	..	..	..	1635 $\frac{1}{2}$	lbs.
Beef	..	..	..	1268	lbs.
Lamb	..	..	..	68 $\frac{1}{2}$	lbs.

L. G. LYNE,  
*Sanitary Inspector*

RUARDEAN

AREA.—1,630 acres.

POPULATION.—Census 1901, 1293.  
                  ,, 1911, 1273.

Present population, 1263.

This number is likely to be a little under the actual figure, owing to the reluctance of some people to give information on account of the overcrowded condition of the cottages.

ACCOMMODATION AND OWNERSHIP.—There are 288 premises, and of these 93 are occupied by the owners.

107 persons own 1 house.	2 persons own 8 houses.
30    "    "    2 houses	1 person owns 10 houses
13    "    "    3 houses.	1    "    "    16    "
4    "    "    4    "	1    "    "    18    "
1    "    owns 5    "	
6 houses have 1 bedroom.	8 houses have 5 bedrooms.
115   "    "    2 bedrooms.	6   "    "    6    "
92   "    "    3    "	2   "    over 6    "
39   "    "    4    "	

RENTALS PAID PER WEEK.—

1 pays 1/6	8 pay 2/9	18 pay 4/-	18 farm houses and
2 pay 1/8	30   "    3/-	2   "    4/3	licensed premises
15   "    2/-	9   "    3/3	10   "    4/6	pay over 5/-
1 pays 2/3	21   "    3/6	13   "    5/-	
12 pay 2/6	10   "    3/9		

Average cottage rental, 3/4 $\frac{1}{4}$ .

WATER SUPPLY (Drinking Water).—

26 houses are supplied from East Dean.	
24   "    "    "    "    The Morse Well.	
3    "    "    "    "    The Spout Trough.	
3    "    "    "    "    The Farm Well.	
4    "    "    "    "    Well at Crossways.	
3    "    "    "    "    Spring near Tin Works.	

19	houses	are	supplied	from	Spout near Forge Hammer, Lydbrook.
5	"	"	"	"	Tump Well.
11	"	"	"	"	Well at Crooked End.
42	"	"	"	"	Private Wells.
31	"	"	"	"	Rainwater Reservoir.
11	"	"	"	"	Waters Cross Well.
7	"	"	"	"	Butcher's Hill Well.
51	"	"	"	"	Caudle Well.
12	"	"	"	"	Well House.
5	"	"	"	"	Well near Bell Inn.
1	"	"	"	"	No drinking water.
30	"	"	"	"	From various springs, being conveyed by pipes from other supplies.

#### CLOSET ACCOMMODATION.—

28	houses	have	water	closets.
98	"	"	"	pail or earth closets.
162	"	"	"	privy accommodation.
72	"	"	"	defective closet accommodation.
34	"	"	"	no separate accommodation.

DRAINAGE.—	42	houses	have	good	drainage.
	117	"	"	no	"
	52	"	"	defective	drainage.

WASH-UP SINKS.—73 houses have wash-up sinks.

BATHS.—11 houses have baths fitted.

HOUSING DEFECTS.—In addition to the defective drainage and closet accommodation, there are

35	cases	of	defective	ventilation.
6	"	"	"	food stores.
89	"	"	"	roof.
94	"	"	"	gutter spouting.
19	"	"	"	ceilings
64	"	"	"	floors
6	"	"	"	water supplies.
138	"	"	"	various defects.

NOTICES.—Preliminary notices have been served on the owners of 186 houses to repair the above defects.

L. G. LYNE,  
*Sanitary Inspector.*

*July, 1920.*



# GLOUCESTER RURAL DISTRICT

*Composition of District* : Parishes of Highnam, Lassington, Maisemore, Ashleworth, Sandhurst, Norton, Down Hatherley, Churchdown, Barnwood, Hempsted, Matson, Upton St, Leonards, Prinknash, Brockworth, Whaddon, Quedgeley, Twigworth, Tuffley, Hucclecote, Elmore, Wotton St. Mary (Without) and Wotton Vill.

*Chairman of Council* : W. PRIDAY, ESQ., The Knoll, Hucclecote, Gloucester.

*Clerk to Council* : MR H. H. SCOTT, LL.B. Lond., Gloucester.

*Sanitary Inspector* : Mr R. C. Riches, Gloucester.

Assessable Value of District, £88,287.

## ADOPTIVE ACTS IN FORCE IN THE DISTRICT

Infectious Diseases Prevention Act 1890	...	Adopted 1891
Public Health Acts Amendment Act 1890 Part III.		1891

## BYE-LAWS IN FORCE IN THE DISTRICT

New Streets and Buildings, for portions of District	1878
New Streets and Buildings, for whole of District	1908
Prevention of Nuisances and Keeping of Animals	1878
Common Lodging Houses	... .. 1878
Regulations under Dairies, etc., Orders	... 1906

## GENERAL STATISTICS

	1901	1911
Area in acres ... ..	30684	30680
Families or Separate Occupiers ...	2153	2610
Average No. of persons per separate occupier ... ..	5.01	4.86
Total population ... ..	10779	12615
Males ... ..	5081	
Females ... ..	5698	

## BIRTH AND DEATH RATES.

YEAR	Population estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		Transferable Deaths of Non-Residents registered in the district	Transferable Deaths of Residents not registered in the district	NETT DEATHS BELONGING TO THE DISTRICT			
		Uncorrected Number	Nett		Number	Rate			Under 1 year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1915	13410	186	190	14.1	285	21.2	161	18	12	63	142	10.6
1916	13590	207	207	18.0	350	33.3	211	25	12	58	164	15.5
1917	13770	170	170	12.4	424	30.8	309	20	7	41	135	9.8
1918	12775	170	170	13.8	389	35.5	234	32	13	76.4	155	14.1
1919	10991	170	170	14.8	284	25.9	181	17	13	76.4	122	11.9
1920	11429	268	268	23.4	244	21.3	158	26	9	33.5	112	9.7

Area of District in Acres .. .. 30,684  
Total population (1911) .. .. 12,615  
No. of inhabited houses (1911) .. .. 2,610  
Average No. of persons per house (1911) . 4.8

Assessable value of the Rural District, 1st October, 1920—£91,533.

A 1d. rate produces £381 : 7 : 9.

Last year's Rate was 9d. in the £.

A 1/- Rate produces £4576.

# MORTALITY AT ALL AGES

Deaths in or belonging to whole District at subjoined Ages		Deaths in or belonging to whole District at subjoined Ages																				Deaths in or belonging to whole District at subjoined Ages												
CAUSES OF DEATH	All ages	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Longford Parish	Maiseamore "	Ashleworth "	Sandhurst "	Down Hatherley Parish	Churchdown Parish	Barnwood "	Upton St. Leonards Parish	Brockworth Parish	Quedgeley "	Huclecote "	Elmore "	Wotton (Without) Parish	Hempsted	Other Parishes	County Asylum Wotton Vill	2nd County Asylum Barnwood	Hospital for Insane Barnwood	St. Lucy's Home	Infectious Diseases Hospital, Over	Total Deaths in Institutions	Deaths in District but not "Residents"	Inquests	Belonging to District but died out of it	
Measles ..	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
Whooping Cough ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diphtheria and Croup ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Influenza ..	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pulmonary Tuberculosis ..	9	0	0	2	2	4	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	4	0	2	0	0	0	28	38	0	0	2
Tuberculous Meningitis ..	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	2	0	0	2	
Other Tubercul. Diseases ..	3	0	0	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	0	5	0	0	1
Cancer, Malignant Dis. ..	24	0	0	0	0	0	2	9	13	2	0	0	0	1	1	0	4	0	0	4	2	2	0	1	1	1	0	0	0	0	2	0	0	7
Rheumatic Fever ..	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Organic Heart Disease ..	9	0	0	0	0	0	2	2	5	1	0	0	0	0	1	1	2	0	1	0	0	0	0	1	14	2	0	0	0	0	4	0	0	0
Bronchitis ..	10	1	0	0	1	0	0	0	8	1	1	0	2	0	0	0	1	1	0	1	1	0	0	2	4	0	0	0	0	0	4	0	0	1
Pneumonia ..	3	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	2	0	10	0	0	0	
Other Respiratory Diseases ..	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	
Diarrhoea ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nephritis ..	6	0	0	0	0	0	1	3	2	0	0	0	0	1	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	1	0	0
Parturition ..	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Congenital Debility &c. ..	7	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Violence, ap'rt from Suicide ..	2	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0
Suicide ..	2	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	0
Other Defined Diseases ..	30	1	0	0	0	1	2	4	22	1	1	1	2	1	4	1	4	2	3	2	2	0	3	0	5	33	15	4	1	0	53	0	0	9
All causes ..	112	9	1	3	5	5	18	21	50	8	5	2	7	4	9	3	12	4	14	11	2	8	1	22	71	25	5	18	39	158	5	9	26	

Total Deaths recording in District :—244.



# INFANT MORTALITY.

The following table shows the Infantile Mortality for 1920 :—

CAUSES OF DEATH		Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total	St. Lucy's Hosp.		Inf. Dis. Hosp.		Not Certified
												A	B	A	B	
Measles .. ..	..	0..	0..	0..	0	0	0..	0..	0..	0	0	0..	0..	0..	1..	0
Meningitis .. ..	..	0..	0..	0..	0	0	0..	0..	0..	0	0	0..	1..	0..	0..	0
Bronchitis .. ..	..	0..	0..	0..	0	0	0..	1..	0..	0	1	0..	0..	0..	0..	0
Pneumonia .. ..	..	0..	0..	0..	0	0	0..	0..	0..	0	0	0..	2..	0..	0..	0
Diarrhœa and Enteritis	..	0..	0..	0..	0	0	0..	0..	0..	0	0	0..	5..	0..	0..	0
Congenital Debility &c.	..	4..	1..	1..	0	6	1..	0..	0..	0	7	1..	4..	0..	2..	1
Other Defined Diseases	..	0..	0..	0..	0	0	0..	0..	1..	0	1	1..	0..	0..	0..	0
Total .. ..	..	4..	1..	1..	0	6	1..	1..	1..	0	9	2	12	0	3	1

A—Belonging to District.

B—Not belonging to District.

Net Births in the year as follows :—

	M.	F.
Legitimate	128	134
Illegitimate	2	4
Totals	130	138=268

Net Deaths of Infants in the year :—

	M.	F.
Legitimate	5	3
Illegitimate	0	1
Totals	5	4=9

# INFECTIOUS DISEASES

		CASES AND LOCALITIES																									Removed to Hospital
At all Ages		Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Longlevens	Longford	Ashleworth	Sandhurst	Higginam	Maisemore	Down Hatherley	Norton	Churchdown	Upton St. Leonards	Huclecote	Barnwood	Wotton Without	Hempsted	Whaddon	Tuffley	Elmore	Brockworth	
Gloucester Rural																											
Enteric Fever	..	3	0..	0..	1..	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	3..	0..	0..	0..	0..	0
Measles	..	21	1..	2..	9..	8..	1..	0..	0..	2..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	2..	4..	12..	0..	1..	0..	0
Scarlet Fever	..	12	0..	1..	10..	0..	1..	0..	0..	1..	0..	1..	0..	0..	0..	1..	0..	1..	0..	1..	0..	1..	0..	1..	3..	1..	0
Diphtheria	..	22	0..	2..	16..	4..	0..	0..	1..	1..	0..	0..	0..	0..	0..	0..	1..	2..	1..	6..	2..	5..	0..	0..	1..	0..	2
Erysipelas	..	1	0..	0..	0..	0..	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	1..	0..	0..	0..	0..	0..	0..	0
Pulmonary Tuberculosis	..	18	0..	0..	1..	3..	8..	6..	1..	1..	0..	0..	0..	2..	1..	0..	1..	1..	1..	6..	4..	0..	0..	0..	0..	0..	0
Other Tuberculous Diseases	..	1	0..	0..	0..	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	1..	0..	0..	0..	0..	0..	0..	0
Pneumonia (all forms)	..	3	0..	0..	0..	1..	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	1..	0..	0..	1..	0..	0..	0..	1..	0..	0
Obstetric Inmia	..																										
Neonatorum	..	1	1..	0..	0..	0..	0..	0..	0..	1..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0
Totals	..	82	2..	5..	37..	18..	12..	8..	0	2..	6..	0..	1..	1..	2..	1..	3..	4..	4..	16..	14..	17..	1..	6..	1..	2	

City Infectious Diseases, Isolation Hospital—Over.  
Sanatorium—Cranham Lodge.

Report of MR R. C. RICHES,  
Sanitary Inspector.

## HOUSING .

Plans for new houses approved .. .. .	65
Houses built .. .. .	19
Houses for which water certificates were granted under Sec. 6 Public Health (Water) Act, 1875	0
There is a deficiency of housing for the working class in every Parish in this District.	
Houses inspected .. .. .	47
Houses with defects for which notices were neces- sary .. .. .	35
Houses for which notices were served—	
(a) Under Sec. 15 Housing, Town Planning Act, 1909. Preliminary Notices .. .. .	0
No. remedied .. .. .	0
(b) Under other Sections of Public Health Acts	35
No. remedied .. .. .	20
Houses unfit for habitation .. .. .	1
No. made habitable .. .. .	1
Representations to District Council .. .. .	0
Closing Orders .. .. .	0
Demolition Orders .. .. .	0
Cases of overcrowding reported .. .. .	2
No. abated .. .. .	1
Houses cleansed on notice .. .. .	3

## WATER SUPPLY :

Parishes in which there is a deficiency :	
Hempsted (Middle Rea), Lower Tuffley, Parts of Matson.	
New connections with Public Supply .. .. .	6
Wells sunk or improved .. .. .	5
Samples for examination .. .. .	1

## SEWERAGE AND DRAINAGE :

In what Parishes (if any) is there need for	
(1) A sewerage system ?	
Hempstead, Quedgley and Lower Tuffley, Brockworth.	
(2) Improvements in existing sewerage ... ..	0
(3) Improvement in sewage disposal ?	
Houses newly connected with sewers :	
Hucclecote .. .. .	14
Longford .. .. .	1
Barnwood .. .. .	2
Churchdown .. .. .	16
W.C.'s newly supplied with flushing cisterns ..	7
Earth closets, pail closets or improved privies con- structed .. .. .	6
Number of notices served to empty " Privy Vaults "	2
Privy vaults abolished .. .. .	1
Application for a loan of £3,000 has been made for the purpose of extending the sewer at Brockworth.	

## REFUSE DISPOSAL :

House refuse is collected in Wotton St. Mary  
(Without) but not elsewhere.

Changes made in the disposal of refuse in 1919 .. 0

## NUMBERS INSPECTED OF EACH OF THE FOLLOWING :

	No. on Register	No. Inspected	Total No. of Inspections
Slaughter-houses .. ..	7	7	8
Bakehouses .. ..	7	7	9
Dairies, cowsheds, milkshops ..	85	78	78
Workshops .. ..	5	5	5

## GENERAL :

Complaints received .. ..	27
Number of nuisances reported to District Council..	7
Nuisances abated .. ..	24
No. of Preliminary notices served ..	52
Total No. of Statutory notices served ..	7

## INFECTIOUS DISEASES :

Cases visited and reported upon ..	46
Houses in which cases occurred ..	37
Houses disinfected .. ..	37

Method of disinfection used—Vapour Lamps and  
Formalin Spray.

Signed R. C. RICHES, *Sanitary Inspector.*



## LYDNEY RURAL DISTRICT

*Composition of District:* The Parishes of Lydney, Aylburton, Alvington, St. Briavels, Hewelsfield, Lancaut, Tidenham and Woolaston.

*Chairman of Council:* WILLIAM JONES, Esq., The Uplands, Lydney.

*Clerk of Council:* MR J. FOTHERGILL EVANS, Solicitor, Chepstow.

*Sanitary Inspector and Surveyor:* MR G. J. ELLIOTT, Lydney.

Assessable Value of District, £52,192.

### PUBLIC HEALTH ACT, 1875

Sections in force in the following Parishes :—

	LYDNEY DISTRICT	SUBJECT
Whole District ..	157 and 158..	.. New Buildings
Lydney Parish }	42 and 44..	.. Scavenging & Watering
St. Briavels Parish }		
Lydney Parish ..	90 .. ..	.. Lodging Houses
Do. do. ..	160 .. ..	.. Numbering and Naming Houses and Streets
Do. do. ..	39 .. ..	.. Urinals
Do. do. ..	169(2nd & 3rd Parsh.) & 170	.. Slaughter Houses
Aylburton Parish	42 and 44 ..	.. Scavenging & Watering

Certain sections of the Public Healths Acts Amendment Act, 1907, are also in force in the District.

### *Bye-Laws :—*

New Streets and Buildings (Lydney U)	..	A opted 1892
New Streets and Buildings, Remainder (R)		1900
Prevention of Nuisances (Lydney)	.. ..	1892
Common Lodging-houses	.. ..	1892
Slaughter-houses (Lydney)	.. ..	1892

## GENERAL STATISTICS.

					1901	1911
Families, or separate Occupiers	..				1908	2052
Average No. of persons per separate occupier	..	..	..	..	4.53	4.38
Area—acres	..	..	..	..	24634	24554
Population	..	..	..	..	8649	9005
Males	..	..	..	..	4291	
Females	..	..	..	..	4358	

## BIRTH AND DEATH RATES.

YEAR	Population estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		Transferable Deaths of Non-Residents registered in the district	Transferable Deaths of Residents not registered in the district	NETT DEATHS BELONGING TO THE DISTRICT			
		Uncorrected Number	Nett		Number	Rate			Under 1 year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1915	9158	198	199	21.7	107	11.6	1	10	13	66	106	11.5
1916	9194	196	196	20.7	103	11.9	1	16	12	61	116	13.4
1917	9230	154	154	16.7	92	10.0	2	9	8	65	109	11.8
1918	9523	184	184	19.3	126	14.8	14	13	14	76.0	125	14.7
1919	8738	189	189	20.7	114	13.0	9	10	14	74.1	115	13.1
1920	9086	267	267	29.3	108	11.8	6	17	15	56.1	119	13.0

Area of District in Acres	..	..	..	24,554
Total population (1911)	..	..	..	9,005
Number of inhabited houses (1911)	..			2,052
Average No. of persons per house (1911)	..			4.3

# INFANTILE MORTALITY.

CAUSES OF DEATH	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total
Pneumonia ..	0	0	0	0	0	0	2	1	0	3
Premature Birth, Congenital ..	7	1	0	0	8	0	0	0	0	8
Debility, &c.	0	0	1	0	1	1	2	0	0	4
Other causes	0	0	1	0	1	1	2	0	0	4
Totals	7	1	1	0	9	1	4	1	0	15

Net Births in the year :—

Legitimate	122	133
Illegitimate	7	5

Totals 129 138

Net Deaths under 1 year :—

Legitimate infants	4	9
Illegitimate "	2	0

6 9

# MORTALITY AT ALL AGES.

DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.																			
	All ages	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Lydney Parish	Aylburton	Alvington	Woolaston	Tidenham	Hewelsfield	St. Briavels	Uncertified	Inquests	
Measles .. .. .	2	0..	0..	0..	1..	1..	0..	0..	0	0..	0..	0..	1..	0..	1..	0..	0..	0	
Influenza .. ..	5	0..	0..	0..	1..	1..	2..	1..	0	2..	1..	0..	1..	0..	1..	0..	0..	0	
Pulmonary Tuberculosis ..	8	0..	0..	0..	0..	1..	6..	0..	1	2..	0..	0..	1..	3..	0..	2..	0..	0	
Other Tuberculous Diseases .. .. .	2	0..	0..	0..	0..	1..	0..	1..	0	0..	1..	0..	0..	0..	1..	0..	0..	0	
Cancer, Malignant Dis.	13	0..	0..	0..	0..	0..	1..	4..	8	4..	2..	0..	0..	1..	1..	5..	0..	0	
Organic Heart Disease	10	0..	0..	0..	0..	0..	0..	4..	6	5..	1..	0..	3..	1..	0..	0..	0..	2	
Bronchitis .. ..	4	0..	0..	0..	0..	0..	0..	0..	4	2..	1..	0..	0..	1..	0..	0..	0..	0	
Pneumonia .. ...	8	3..	0..	0..	0..	0..	0..	3..	2	3..	1..	0..	1..	2..	0..	1..	0..	0	
Other Diseases of Respiratory Organs	3	0..	0..	0..	0..	0..	1..	1..	1	3..	0..	0..	0..	0..	0..	0..	0..	0	
Cirrhosis of Liver ..	3	0..	0..	0..	0..	0..	2..	1..	0	0..	2..	0..	0..	0..	0..	1..	0..	0	
Nephritis and Bright's Disease .. .. .	5	0..	0..	0..	0..	1..	1..	3..	0	0..	0..	0..	0..	4..	0..	1..	0..	0	
Parturition .. ..	1	0..	0..	0..	0..	0..	0..	1..	0	1..	0..	0..	0..	0..	0..	1..	0..	0	
Congenital Debility and Malformation, includ- ing Premature Birth	8	8..	0..	0..	0..	0..	0..	0..	0	4..	1..	1..	0..	2..	0..	0..	0..	1	
Violence apart from Suicide .. .. .	6	0..	1..	1..	1..	0..	1..	1..	1	2..	0..	0..	0..	3..	0..	1..	0..	7	
Suicide ... .. .	2	0..	0..	0..	0..	0..	0..	1..	1	1..	1..	0..	0..	0..	0..	0..	0..	2	
Other Defined Diseases .. .. .	38	4..	0..	0..	0..	3..	3..	7..	21	8..	3..	2..	7..	10..	5..	3..	0..	2	
Causes ill-defined or unknown .. .. .	1	0..	0..	0..	0..	0..	0..	1..	0	0..	0..	0..	0..	1..	0..	0..	1..	0	
Totals .. .. .	119	15..	1..	1..	3..	8..	17..	29..	45	37..	14..	3..	14..	28..	9..	14..	1..	14	

## INFECTIOUS DISEASES.

DISEASE	Cases and Ages							Cases and Parishes							Removed to Isolation Hospital Alvington	Removed to Isolation Hospital Chepstow
	At all Ages	1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	5 and upwards	Lydney	Aylburton	Alvington	Woolaston	Tidenham	Brockweir & Hewelsfield	St. Briavels		
Enteric Fever ...	2	0..	0..	0..	2..	0..	0..	0..	0..	..	0..	1..	0..	0	1..	0..
Measles (German) ..	1	0..	1..	0..	0..	0..	0..	0..	0..	0..	0..	1..	0..	0	0..	0..
Scarlet Fever ..	19	2..	16..	1..	0..	0..	0..	3..	3..	0..	1..	12..	0..	0	13..	0..
Diphtheria ..	20	1..	13..	5..	1..	0..	0..	7..	3..	1..	0..	6..	1..	2	0..	4..
Erysipelas ..	3	0..	0..	0..	1..	1..	1..	1..	2..	0..	0..	0..	0..	0	0..	0..
Pulmonary Tuberculosis	11	0..	0..	3..	6..	2..	0..	4..	0..	0..	1..	3..	2..	1	0..	0..
Other Tuberculous Diseases ..	2	0..	0..	1..	1..	0..	0..	1..	0..	0..	0..	0..	0..	1	0..	0..
Pneumonia (all forms)	2	0..	2..	0..	0..	0..	0..	..	..	..	0..	0..	2..	0	0..	0..
Malaria ...	1	0..	0..	0..	1..	0..	0..	..	..	..	0..	0..	1..	0	0..	0..
Totals ..	61	3..	32..	10..	12..	3..	1..	16..	8..	1..	2..	23..	6..	4	14..	4..

Lydney Infectious Diseases Hospital, Alvington.  
Cranham Lodge Sanatorium, near Stroud.

## Summary of Routine Work of the year :—

## HOUSING :

Plans for new houses including 2 bungalows approved .. .. .	8
Houses built .. .. .	2
Houses for which Water Certificates were granted under Section 6 Public Health (Water) Act, 1875 .. .. .	0
Housing, Town Planning, &c., Act, 1909, Housing (Inspection of District) Regulations, 1910—Areas inspected during 1918—Lydney.	
Houses inspected .. .. .	0
Houses with defects for which notices were necessary	0
Houses for which notices were served :—	
Under Section 15 Housing, &c., Act, 1909 ..	0
Under other Sections of Public Health Acts ..	4
No. remedied .. .. .	4
Houses unfit for habitation .. .. .	0
Houses made habitable without closing orders ..	0
Representations made to District Council ..	1
Closing Orders .. .. .	0
Demolition Order .. .. .	0
Houses demolished .. .. .	0
Cases of overcrowding reported .. .. .	0
Cases abated .. .. .	0
Cleansed on notice .. .. .	0



## WATER SUPPLY :

Houses connected with public supply	..	..	8
Wells closed	..	..	0
Samples taken for examination	..	..	0

## SEWERAGE AND DRAINAGE :

Houses newly connected with sewers	..	..	4
W.C.'s newly supplied with flushing cisterns	..	..	..
Earth closets, pail closets or improved privies constructed	..	..	8
Notices served to empty privy vaults	..	..	12
Privy vaults abolished	..	..	13
	..	..	6

## REFUSE DISPOSAL :

Parishes where arrangements have been made for the disposal of house refuse—Lydney and Aylburton

## NUMBERS INSPECTED OF EACH OF THE FOLLOWING :

	No. on register	No. inspected	Total No. of inspections
Slaughter-houses	6	6	27
Bakehouses	19	19	19
Dairies, Cowsheds, Milkshops	33	33	38
Workshops	44	44	45

## GENERAL :

Complaints received	..	..	7
Nuisances reported to District Council	..	..	8
Total Nuisances	..	..	15
Swine	..	..	0
Nuisances abated	..	..	58
Preliminary Notices served	..	..	27
Statutory Notices issued	..	..	0

## INFECTIOUS DISEASE :

Cases visited and reported on	..	..	43
Houses in which cases occurred	..	..	33
Houses disinfected	..	..	33
Methods of disinfection used :			
Formaldehyde Spray and Fumigation.			
Changes made in Isolation Hospital :			
Heating and Hot Water Supply in course of construction.	..	..	0

Signed G. J. ELLIOTT,

*Sanitary Inspector and Surveyor.*

INFECTIOUS DISEASES.—Measles having been removed from the list of notifiable diseases, reduced the total list of Infectious diseases, but on the other hand there was a large increase in the number of cases of Scarlet Fever and Diphtheria, 19 and 20 cases as compared with 5 and 1 in 1919. Diphtheria occurring simultaneously in many instances with Scarlet Fever, gave rise to difficulty in those cases where isolation of Diphtheria cases was necessary. The M.O.H. for Chepstow Rural District (Dr. T. L. Drapes) very kindly arranged for the admission of four cases of Diphtheria to the Chepstow Isolation Hospital.

			No. of Diphtheria Cases.	No. of Scarlet Fever Cases
January	..	..	2	0
February	..	..	1	4
March	..	..	0	3
April	..	..	3	1
May	..	..	0	1
June	..	..	1	0
August	..	..	3	0
September	..	..	2	0
October	..	..	3	7
November	..	..	2	2
December	..	..	3	1

Reference to the Rainfall Table will show that January, March, April and December, were the wettest months, February and November were remarkable for the small amount of rainfall. Scarlet Fever is thought to be less prevalent when the rainfall is heavy, and Diphtheria is generally more so in cold and wet weather. Newsholme, however, finds that the relation between diphtheria prevalence and years or localities of heavy rainfall is inverse rather than direct.

In connection with the Infectious Diseases Hospital, much regret has been felt at the serious illness which has obliged Dr. Moyle to retire. During more than half the

year Dr. Moyle was away, and at the close of the year he was still seriously ill.

DRAINAGE.—There is still a need for sewerage for the houses at Mount Pleasant, but with the present high cost of labour and material it is impossible to press the already overburdened tax-payer for more expenditure. It is hoped that when things right themselves again, and the cost of building, etc., become less, this work will not be overlooked.

CHILD WELFARE AND MATERNITY CENTRES.—There are Four Infant Welfare Centres in the District: at Lydney, Aylburton, Tidenham, and St. Briavels. As the benefits to be derived by attendance at these Centres become better known, so the work becomes more and more useful. The sale of preserved milks and baby foods at less than the retail price is a means of giving many infants a better start in life than they would otherwise obtain. Another important point taught at these centres is the value of breast feeding and the good effect which lactation has on the mother by causing healthy involution of the womb after child birth, and so tending to diminish the troubles consequent upon misplacement of the uterus. In the early Victorian period when, to use a word much employed by Dickens, it was not considered “genteel” to be strong, and “delicacy” was by some regarded as a sign of good-breeding, the discouragement of breast-feeding was a subtle form of flattery which pleased the mother by classing her as “delicate.” Happily we live in an age when however much our sympathy is extended to the invalid and cripple we no longer regard ill-health and debility as things to be proud of.

Lydney Infant Welfare Centre.—The President of which is Lady Eledisloe, and the Hon. Secretary, Mrs Berthon, holds its meetings on alternate Tuesdays at the Co-operative Hall, Lydney. The Medical Advisers are Drs. Monsell and Thomas, who attend alternately. Between the 11th May and the 31st December 1920 there were 17 meetings, and



209 babies were brought to them, giving an average of 12·2 per meeting. Towards the end of the year when the work was beginning to be more known and appreciated, the average attendance rose to 19, which one cannot fail to regard as most satisfactory.

Aylburton Infant Welfare Centre.—Hon. Secretary, Miss M. Parker. There are 36 names on the Infant Welfare Register at Aylburton. Meetings are held every second Tuesday, and the average attendance is 16. The Medical Adviser visits the Centre once a month, and on the days when he does not attend lectures are given on some subject connected with Infant Welfare.

I am indebted to Mrs Sully for the following remarks on the work done at the Tidenham Infant Welfare Centre :—

This Centre has been open since October, 1918, and it appears to be doing good work.

During the last twelve months the Meetings have been held every other Thursday until March 10th, 1921, when it had to be closed, as Whooping Cough was prevalent in the Parish.

Fifty-seven Infants have been entered on the register during the year, and there has been an average attendance of 15 at each Meeting throughout the year.

Dr. Thompson, Nurse Cooper with two members of the Committee and the Hon. Secretary, have been in regular attendance, and useful advice and help have been given which the Mothers state have been of great assistance and much appreciated by them.

Miss Montagnon visited the Centre on February 24th, 1921, and expressed herself very pleased with all she saw.

St. Briavels Infant Welfare Centre.—Superintendent, Mrs Andrews. Average attendance, 9. Much good work is being done. Remarkable results have been obtained in several instances as the direct result of advice given to mothers.



The Ministry of Health has endeavoured to emphasize the importance of milk as a food by attempting to encourage the production of milk of a high standard of purity. It issued certain pamphlets in 1920 under the terms of the Milk Order, 1920, in which the terms "Grade A Milk" and "Grade A (Certified) Milk" are only allowed to be employed in cases where milk is produced under exceptionally clean conditions. Many of the conditions laid down are already fulfilled in dairies in the country, but farmers spoken to on the subject invariably replied that they would not consent to any more restrictions, and if it was insisted that these conditions should be strictly enforced they would find it more profitable to give up dairy-farming. The Ministry of Health towards the end of 1919 (14-10-19), gave permission to Local Authorities to issue milk at cost price, less than cost price, or free, to Expectant and Nursing Mothers, provided that in the opinion of the Medical Officer of Health or Medical Officer of the Maternity Centre it was considered advisable to make the issue. It was understood that this issue should never be made except in those cases where palpable poverty warranted the necessity for the issue.

## AWRE URBAN DISTRICT

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*Composition of District :* The Parish of Awre, including the villages of Blakeney and Awre.

*Chairman of Council :* EVAN T. JONES, Esq., The Glen, Blakeney, Gos.

*Clerk to Council :* MR M. F. CARTER, Solicitor, Newnham.

*Sanitary Inspector :* MR H. HOOK, Westbury-on-Severn.

*Saureyor of Highways :* MR J. BENNETT, Awre.

Assessable Value, £4,976 5s. 8d. 1d. rate yields £20

### ADOPTIVE ACTS AND REGULATIONS IN FORCE IN DISTRICT.

	Adopted
Infectious Diseases Prevention Act, 1890 ..	1891
Public Health Acts Amendment Act, 1890 ..	1891
<i>Regulations :</i>	
Dairies, Cowsheds, &c., Orders, 1885-6 ..	1910
<i>Bye-laws :—</i>	
Slaughter-houses .. .. .	1883
New Streets and Buildings .. ..	1883
Removal of Nuisances and Keeping of Animals	1883
Common Lodging-houses .. .. .	1883

### GENERAL STATISTICS

	1901	1911
Average No. of persons per separate occupier .. .. .	4.25	4.05
No. of Inhabited houses .. ..	258	264
Total tenements .. .. .	255	264
Ditto of less than 5 rooms .. ..	110	93
Total Population .. .. .	1096	1070
Males .. .. .	524	517
Females .. .. .	572	553
Average number of persons per 100 acres .. .. .		16

## BIRTH AND DEATH RATES.

YEAR	Population estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		Transferable Deaths of Non-Residents registered in the district	Transferable Deaths of Residents not registered in the district	NETT DEATHS BELONGING TO THE DISTRICT			
		Uncorrected Number	Nett		Number	Rate			Under 1 year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1915	1058	16	16	15·1	13	12·3	0	1	0	0	14	13·2
1916	1055	24	24	21·9	15	15·0	0	9	2	83	24	23·2
1917	1052	15	15	14·2	12	11·4	0	7	1	66	19	18·0
1918	962	22	22	20·0	9	9·3	0	3	1	45·4	12	12·4
1919	1156	13	13	10·7	12	10·3	2	2	1	76·9	12	10·3
1920	1202	30	30	24·9	5	4·1	0	5	1	33·3	10	8·3

Area of District in Acres . . . . . 4,317  
 Total Population at all ages (1911) . . . . . 1,074  
 No. of inhabited houses (1911) . . . . . 264  
 Average No. of persons per house (1911) . . . . . 4.05

## MORTALITY AT ALL AGES

DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.											
CAUSES OF DEATH	At All Ages	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Awre	Blakeney
Tubercular. Meningitis	1	0..	0..	1..	0..	0..	0..	0..	0	0..	1
Other Tuberculous Diseases ..	1	0..	0..	0..	0..	1..	0..	0..	0	1..	0
Cancer (Malignant Disease) ..	1	0..	0..	0..	0..	0..	0..	0..	1	1..	0
Organic Heart Disease	1	0..	0..	0..	0..	0..	0..	1..	0	0..	1
Bronchitis ..	2	0..	0..	0..	0..	0..	0..	1..	1	0..	2
Violence, apart from Suicide ..	1	1..	0..	0..	0..	0..	0..	0..	0	0..	1
Other defined Diseases	3	0..	0..	0..	0..	0..	0..	1..	2	2..	1
Total ..	10	1..	0..	1..	0..	1..	0..	3..	4	4..	6

## INFANTILE MORTALITY

Cause of Death	Under 6 months 3-6
Asphyxia due to being overlain ..	1
Total ..	1

Net Births in the year :—

	M.	F.
Legitimate ..	15	14
Illegitimate ..	0	1
Total	15	15

Net Deaths of Infants under 1 year --

	M.
Legitimate ..	1
Total	1



## INFECTIOUS DISEASES.

	At all ages	Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards	Aylesford	Awre	Blakeney	Etloe	Sent to Hospital
Diphtheria ..	0	0..	0..	0..	0..	0..	0..	0	0..	0..	0..	0..	0
Erysipelas ..	6	1..	0..	0..	0..	2..	2..	1	2..	1..	2..	1..	0
Scarlet Fever ..	4	0..	2..	2..	0..	0..	0..	0	0..	0..	4..	0..	1
Enteric Fever ..	0	0..	0..	0..	0..	0..	0..	0	0..	0..	0..	0..	0
Ophthalmia													
Neonatorum ..	2	2..	0..	0..	0..	0..	0..	0	0..	0..	2..	0..	0
Pulm. Tuberculos.	0	0..	0..	0..	0..	0..	0..	0	0..	0..	0..	0..	0
Total ..	12	3..	2..	2..	0..	2..	2..	1	2..	1..	8..	1..	1

Isolation Hospital—Greenbottom Isolation Hospital  
Sanatorium—Cranham Lodge, Stroud

## Report of Sanitary Inspector, MR H. E. W. Hook.

## HOUSING :

Cases of overcrowding reported ..	..	..	..	1
Houses cleaned on notice ..	..	..	..	1
Houses inspected ..	..	..	..	42
Houses with defects in which notices were necessary				23
Houses for which notices were served ..	..	..		23
There is a deficiency of houses for the working classes at Awre.				

## NUMBER OF HOUSES BUILT :

Two new buildings, plans not passed.

## WATER SUPPLY :

Wells closed ..	..	..	..	..	0
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## SEWERAGE AND DRAINAGE :

Earth closets, pail closets, or improved privies constructed ..	..	..	..	..	5
Notices served to empty " Privy Vaults " ..	..				2
Vaults abolished ..	..	..	..	..	4
W.C.'s supplied with flushing cisterns ..	..	..			2

## REFUSE DISPOSAL.

In what parishes have arrangements been made for the removal or disposal of house refuse ? ..	..				0
What charge in the collection or disposal were made during ? ..	..	..	..	..	0

## NUMBERS INSPECTED OF EACH OF THE FOLLOWING :

Slaughter Houses ..	..	..	2	..	2	..	12
Bakehouses ..	..	..	..	2	..	2	12
Dairies, Cowsheds, Milkshops ..	25	..	25	..	100		
Canal Boats ..	..	..	..	0	..	0	0

## GENERAL :

Nuisances abated	..	..	..	..	..	41
Preliminary notices served	..	..	..	..	..	41
Statutory notices served	..	..	..	..	..	7

## INFECTIOUS DISEASES.

Cases visited and reported in	..	..	..	8
Houses in which cases occurred	..	..	..	8
Houses disinfected	..	..	..	8
Methods of disinfection used—Formalin Spray and Formalin gas.				

# NEWNHAM-ON-SEVERN

## URBAN DISTRICT

---

*Composition of District :* The Town and Parish of Newnham-on-Severn.

*Chairman of Council :* LIEUT.-COLONEL R. J. KERR, Newnham.

*Clerk to the Council :* MR M. F. CARTER, Solicitor, Newnham.

*Sanitary Inspector :* MR H. HOOK, Westbury-on-Severn.

*Surveyor and Surveyor of Highways :* MR H. FERRIS, Newnham.

Assessable Value of District, £5,188.    1d. rate yields £20

### ADOPTIVE ACTS AND REGULATIONS IN FORCE IN DISTRICT

*Acts :—*

Infectious Diseases Prevention Act, 1890	..	Adopted 1893
Public Health Acts Amendment Act, 1890,		
Part III.	.. .. .	1893

*Regulations :—*

Dairies and Cowsheds, &c., Orders 1885-6	..	Adopted 1910
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*Bye-Laws :—*

New Streets and Buildings (U)	.. ..	1863
New Streets and Buildings Order, 1877	..	1914
Removal of Nuisances and Keeping of Animals		1863
Common Lodging Houses	.. ..	1863
Slaughter-houses	.. ..	1863

This district was constituted a Local Board before the passing of the Public Health Act, 1872, when it became an Urban Sanitary Authority, and subsequently at the passing of the Local Government Act, 1894, an Urban District Council.

## GENERAL STATISTICS

	1901	1911
Area of District in Acres ... ..	1937	1937
Inhabited houses ... ..	273	256
Total tenements ... ..	266	
Ditto of less than 5 rooms ... ..	53	
Average No. of persons per house ...	4.4	3.98
Total Population ... ..	1184	1021
Males ... ..	564	
Females ... ..	620	

## BIRTH AND DEATH RATES.

YEAR	Population estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		Transferable Deaths of Non-Residents registered in the district	Transferable Deaths of Residents not registered in the district	NETT DEATHS BELONGING TO THE DISTRICT			
		Uncorrected Number	Nett		Number	Rate			Under 1 year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1915	953	18	18	18.9	13	13.6	1	2	0	0	14	14.7
1916	937	25	25	22.9	10	10.0	0	3	1	40	13	12.9
1917	921	13	13	14.1	18	19.2	0	2	2	154	20	21.7
1918	1006	15	15	13.3	18	17.8	1	4	3	200	21	20.8
1919	1123	24	24	20.5	9	8.0	0	3	0	0	12	10.6
1920	1168	34	34	29.1	13	11.1	0	6	2	58.8	19	16.2

Area of District in Acres.. .. 1937

Total Population (1911) .. .. 1021

No. of Inhabited Houses (1911).. .. 256

Average No. of persons per house (1911) 3.98



## MORTALITY AT ALL AGES.

DEATHS IN OR BELONGING TO WHOLE DISTRICT  
AT SUBJOINED AGES

CAUSES OF DEATHS		At All Ages												
			Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Newnham	Soudley	Bullo	nquests
Influenza	..	1	0..	0..	0..	0..	0..	1..	0..	0	1...	0..	0..	0
Pulmonary Tubercul.		1	0..	0..	0..	0..	0..	1..	0..	0	1..	0..	0..	0
Organic Heart Disease	..	2	0..	0..	0..	0..	0..	0..	1..	1	2..	0..	0..	0
Bronchitis	..	1	0..	0..	0..	0..	0..	0..	0..	1	1...	0..	0..	0
Other Respiratory Diseases	..	2	0..	0..	0..	0..	0..	0..	0..	2	1...	1..	0..	0
Nephritis & Bright's Disease	..	2	0..	0..	0..	0..	1..	0..	1..	0	1..	1..	0..	0
Congenital Debility, &c.	..	2	2..	0..	0..	0..	0..	0..	0..	0	1..	0..	1..	0
Violence apart from Suicide	..	1	0..	0..	0..	0..	0..	0..	1..	0	1...	0..	0..	1
Other defined diseases		7	0..	0..	0..	0..	0..	1..	1..	5	7...	0..	0..	0
Total	..	19	2..	0..	0..	0..	1..	3..	4..	9	16..	2..	1..	1

## INFANT MORTALITY.

		Under 1 week	1-2 weeks	2-3 weeks
Debility at Birth	..	0..	1..	0
Premature Birth	..	0..	1..	0
Totals		0..	2..	0
Total Births :				
Legitimate..	.. M.	23..	F.	9
Illegitimate	.. M.	2..	F.	0
Totals	M.	25..	F.	9
Total Deaths :				
Legitimate..	.. M.	2..	F.	0
Illegitimate	.. M.	0..	F.	0
Total	M.	2..	F.	0

## INFECTIOUS DISEASES

DISEASES	At all ages	Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards	Newnham	Soudley	Bullo	Ruddle	Removed to Hospital
Diphtheria	.. 0	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0
Erysipelas	.. 0	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0..	0
Scarlet Fever	.. 3	0..	2..	1..	0..	0..	0..	0..	1..	0..	1..	2	1
Puerperal Fever	.. 1	0..	0..	0..	1..	0..	0..	0..	0..	0..	0..	0	0
Pneumonia (Influenzal)	.. 1	0..	0..	0..	0..	0..	1..	0..	1..	0..	0..	0	0
Totals	.. 5	0..	2..	1..	1..	0..	1..	0..	1..	1..	1..	2	1

Isolation Hospital: Greenbottom, Nr. Littledean.

Sanatorium: Cranham Lodge, Stroud.

## Report of MR H. E. W. HOOK, Sanitary Inspector.

## HOUSING :—

Plans of new houses approved	.. ..	0
Houses built	.. ..	0
Housing, Town Planning, &c., Act, 1909—Housing (Inspection of District) Regulations, 1910	.. ..	0
Houses inspected	.. ..	30
Houses with defects for which notices were necessary		10
Houses for which notices were served—		
(a) Under Sec. 15, Housing, Town Planning, &c., Act, 1909	.. ..	0
No. remedied	.. ..	0
(b) Under other sections of Public Health Acts		10
No. remedied	.. ..	9
Houses unfit for habitation	.. ..	0
Representations made to District Council	.. ..	0
Closing Orders made	.. ..	0
Demolition Orders	.. ..	0
Cases of overcrowding reported	.. ..	1
Houses cleansed on notice	.. ..	0
There is a deficiency of houses for the working classes in Newnham.		

## WATER SUPPLY :—

Connections with public supply	.. ..	0
Wells closed	.. ..	1
Samples taken for examination	.. ..	1
There is a deficiency of supply in Newnham Town, in dry weather.		

## SEWERAGE &amp; DRAINAGE :—

Houses newly connected with sewers	.. ..	6
W.C.'s newly supplied with flushing cisterns upon notice	.. ..	3
Earth closets, pail closets, or improved privies con- structed	.. ..	1
Notices served to empty "Privy Vaults"	.. ..	1
Privy vaults abolished	.. ..	1

## NUMBERS INSPECTED OF EACH OF THE FOLLOWING :

Common Lodging Houses	..	0	..	0	..	0
Slaughter Houses	..	2	..	2	..	12
Bakehouses	..	2	..	2	..	12
Dairies, Cowsheds, Milkshops		12	..	12	..	48
Workshops	..	1	..	1	..	6

## GENERAL :—

Complaints received	..	..	..	..	..	18
Nuisances reported to District Council				..	..	12
Nuisances abated	..	..	..	..	..	33
Preliminary notices served	..	..	..	..	..	33
Statutory notices served	..	..	..	..	..	11
Summonses taken out	..	..	..	..	..	0
Convictions	..	..	..	..	..	0

## INFECTIOUS DISEASES :—

Cases visited and reported on	..	..	..	..	5
Houses in which cases occurred	..	..	..	..	4
Houses disinfected	..	..	..	..	4

Methods of disinfection used—Formalin Spray.

The chief sanitary requirement is a better water supply.

The chief requirements for Newnham are an improved water supply and more houses.

The work of repairs to existing houses was satisfactory considering the shortage of labour and the very high cost of material and the bad weather.

Signed H. E. W. Hook,

*Sanitary Inspector.*

## WESTBURY-ON-SEVERN URBAN DISTRICT

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*Composition of District:* The Parish of Westbury-on-Severn.

*Chairman of Council:* R. W. FISHER, Esq., Westbury-on-Severn.

*Clerk to Council:* MR M. F. CARTER, Solicitor, Newnham-on-Severn.

*Sanitary Inspector:* MR HORACE HOOK, Westbury-on-Severn.

*Surveyor of Highways:* MR HAROLD VAILE, Chaxhill.

Assessable Value of District, £7,755 13s. 6d. id. rate  
yields £30

### ADOPTIVE ACTS, REGULATIONS AND BYE-LAWS IN FORCE IN DISTRICT

*Acts :—*

	Adopted
Infectious Diseases Prevention Act, 1890 ..	1910

*Regulations :—*

Dairies, Cowsheds, and Milkshops Order, 1885-6

*Bye-Laws :—*

Common Lodging Houses .. ..	1863
New Streets and Buildings .. ..	1863
Prevention of Nuisances and Keeping of Animals .. ..	1863



## GENERAL STATISTICS.

Area of District in Acres	...	...	1901	8264	1911	8257
Inhabited Houses	...	...	...	422		
Total Tenements	...	...	...	424	401	
Do. of less than 5 rooms	...	...	...	140		
Average number of persons per house	...	...	...	4.4	4.5	
Total Population	...	...	...	1866	1812	
Males	...	...	...	949		
Females	...	...	...	917		

A comparison of the area of this district with what it was in 1901 and 1911 shows a decrease of seven acres. This has been caused by erosion of the Severn banks.

## BIRTH AND DEATH RATES.

YEAR	Population estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		Transferable Deaths of Non-Residents registered in the district	Transferable Deaths of Residents not registered in the district	NETT DEATHS BELONGING TO THE DISTRICT			
		Uncorrected Number	Nett		Number	Rate			Under 1 year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 Nett Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1915	1792	30	29	16.2	34	19.0	11	3	2	69	26	14.5
1916	1787	35	35	20.3	40	22.4	26	2	0	0	16	10.1
1917	1782	22	22	12.3	28	15.6	8	3	1	56	23	12.8
1918	1565	31	30	19.0	35	25.0	16	4	2	66.6	23	16.5
1919	1489	30	30	19.3	34	22.8	8	1	3	100	27	18.1
1920	1548	34	34	21.9	36	23.2	18	2	3	88	20	12.9

Area of District in Acres	...	...	...	8257
Total Population (1911)	...	...	...	1812
No. of Inhabited Houses (1911)	...	...	...	401
Average number of persons per house (1911)				4.51

## INFECTIOUS DISEASES.

	At all Ages	CASES AND AGES							LOCALITIES					Removed to Hospital	Nursing Home Gloucester
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards	Westbury	Broad oak	Watmore Hill	Poulton Hill	Broken Cross		
Diphtheria ..	.. 3	0..	0..	2..	0..	1..	0..	0	2..	1..	0..	0..	0	2..	0
Erysipelas ..	.. 0	0..	0..	0..	0..	0..	0..	0	0..	0..	0..	0..	0	0..	0
Scarlet Fever ..	.. 3	0..	0..	3..	0..	0..	0..	0	3..	0..	0..	0..	0	2..	0
Enteric Fever..	.. 1	0..	0..	0..	0..	1..	0..	0	0..	0..	0..	1..	0	0..	1
Puerperal Fever	.. 1	0..	0..	0..	1..	0..	0..	0	1..	0..	0..	0..	0	0..	0
Ophthalmia															
Neonatorum ..	.. 1	1..	0..	0..	0..	0..	0..	0	0..	0..	0..	0..	1	0..	0
Pulmonary Tuberculosis	1	0..	0..	0..	1..	0..	0..	0	0..	0..	1..	0..	0	0..	0
Pneumonia ..	.. 3	0..	0..	2..	0..	0..	0..	1	3..	0..	0..	0..	0	0..	0
(all kinds)															
Measles ..	.. 4	0..	1..	3..	0..	0..	0..	0	4..	0..	0..	0..	0	0..	0
Totals ..	.. 17	1..	1..	10..	2..	2..	0..	1	13..	1..	1..	1..	1	4	1

## INFANTILE MORTALITY.

	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months
Measles ..	.. 0..	0..	0..	0..	0..	1..	0..	0..	1
Diarrhœa ..	.. 0..	0..	0..	1..	1..	0..	0..	0..	1
Congenital Debility..	.. 1..	0..	0..	0..	1..	0..	0..	0..	1
Total ..	.. 1..	0..	0..	1..	2..	1..	0..	0..	3

Net Births in the year —

	M.	F.
Legitimate	13	20
Illegitimate	1	0
Total	14	20

Net Deaths in the year —

	M.	F.
Legitimate	0	3
Illegitimate	0	0
	0	3

# MORTALITY AT ALL AGES

DEATHS IN OR BELONGING TO WHOLE DISTRICT  
AT SUBJOINED AGES.

CAUSES OF DEATH	At all ages	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.										Deaths in Public Institutions						
		Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Westbury	Chaxhill		Adsett	Northwood Gr'n	Watmore Hill	Elton	Broad oak	
Measles .. .. .	1	1..	0..	0..	0..	0..	0..	0..	0	0	1..	0..	0..	0..	0..	0..	0	
Pulmonary .. ..																		
Tuberculosis ..	2	0..	0..	0..	0..	1..	1..	0..	0	1	1..	0..	0..	0..	1..	0..	0	
Org. Heart Disease	2	0..	0..	0..	0..	0..	1..	0..	1	1	0..	0..	1..	0..	0..	1..	0	
Cancer .. .. .	1	0..	0..	0..	0..	0..	0..	0..	1	1	0..	0..	0..	0..	1..	0..	0	
Other Respiratory Diseases .. .. .	1	0..	0..	0..	0..	0..	0..	0..	1	0	0..	1..	0..	0..	0..	0..	0	
Diarrhoea &c. (under 2 years)	1	1..	0..	0..	0..	0..	0..	0..	0	0	0..	1..	0..	0..	0..	0..	0	
Congenital Debility &c. .. .. .	1	1..	0..	0..	0..	0..	0..	0..	0	0	0..	1..	0..	0..	0..	0..	0	
Violence, apart from Suicide .. .. .	2	0..	0..	0..	0..	0..	0..	1..	1	0	2..	0..	0..	0..	0..	0..	0	
Other defined Diseases .. .. .	9	0..	0..	0..	0..	0..	0..	1..	8	0	6..	0..	0..	1..	1..	0..	1	
*Pneumonia .. ..	0	0..	0..	0..	0..	0..	0..	0..	0	2	0..	0..	0..	0..	0..	0..	0	
*Nephritis and Bright's Disease	0	0..	0..	0..	0..	0..	0..	0..	0	1	0..	0..	0..	0..	0..	0..	0	
Totals .. .. .	20	3..	0..	0..	0..	1..	2..	2..	12	6	10..	3..	1..	1..	3..	1..	1	

\*To be transferred away.

## Report of MR H. E. W. HOOK, Sanitary Inspector.

## HOUSING :

Plans for new houses approved .. .. .	1
Houses built .. .. .	0
Water Certificates granted under Section 6 Public Health (Water) Act, 1875 .. .. .	0
Housing, Town Planning Act, 1909, Housing (Inspection of District) Regulations, 1910—	
Houses inspected .. .. .	39
Houses with defects for which notices were necessary	20
Houses for which notices were served—	
(a) Under Sec. 15 Housing, Town Planning, &c., Act, 1909 .. .. .	1
(b) Under other sections of Public Health Acts	19
No. remedied .. .. .	18
Houses unfit for habitation (all unoccupied) ..	1
Houses made habitable .. .. .	2
Representations to District Council .. .. .	3
Closing orders .. .. .	1
Demolition orders .. .. .	0
Statutory notices served .. .. .	0
Cases of overcrowding reported .. .. .	1
Cases abated .. .. .	1
Houses cleansed on notice .. .. .	1

There is a deficiency of housing of the working classes in Westbury-on-Severn.

## WATER SUPPLY :

No. of new connections with Public Supply—	
No Public Supply	
Wells sunk or approved sources of supply provided	0
Wells closed .. .. .	0
Samples taken for examination .. .. .	0

## SEWERAGE AND DRAINAGE :—

Earth closets, pail closets or improved privies constructed .. .. .	2
Notices served to empty privy vaults .. .. .	2
Number of privy vaults abolished .. .. .	3

Improvements in existing sewerage are necessary in Westbury Village.

## NUMBERS INSPECTED OF EACH OF THE FOLLOWING :

	No. on register	No. inspected	Total No. of inspections
Slaughter houses .. .. .	3	3	18
Bakehouses .. .. .	2	2	12
Dairies, cowsheds, milkshops ..	37	37	148
Workshops .. .. .	0	0	0



## GENERAL :

Complaints received	..	..	..	..	20
Nuisances reported to District Council	..	..	..	..	6
Nuisances abated	..	..	..	/ ..	56
Preliminary notices served	..	..	..	..	56
Statutory notices served	..	..	..	..	8
Summonses taken out	..	..	..	..	1
Convictions	..	..	..	..	1

## INFECTIOUS DISEASES :

Cases visited and reported on	..	..	..	..	12
Houses in which cases occurred	..	..	..	..	8
Houses disinfected	..	..	..	..	8

Methods of disinfection—Formalin spray.

Signed H. E. W. Hook,

*Sanitary Inspector.*



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